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CENTRAL FAX CENTER****OCT 28 2005****FAX TRANSMISSION****DATE:** October 28, 2005**PTO IDENTIFIER:** Application Number 08/728,463-Conf. #2701
ALLOWED SEPTEMBER 20, 2005**Inventor:** Nils Lonberg et al.**MESSAGE TO:** US Patent and Trademark Office
Examiner P. J. Nolan
Art Unit 1644**FAX NUMBER:** (571) 273-8300**FROM:** DARBY & DARBY P.C.

Jeffrey C. Pepe

PHONE: (206) 262-8911**Attorney Dkt. #:** 04280/1201643-US2**PAGES (Including Cover Sheet):** 22**CONTENTS:** Certificate of Transmission (1 page)
Transmittal (1 page)
Request For Acknowledgment Of Previously Submitted Information Disclosure Statement
(IDS) (2 pages)
Copy of IDS Postcard (1 page)
Copy of IDS of 01/24/97 (2 pages)
Copy of PTO-1449 (12 pages)
Copy of References Sent Postcard (1 page)
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PTO/SB/97 (09-04)

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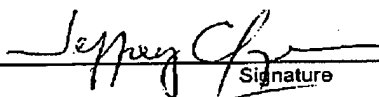
Application No. (if known): 08/728,463

Attorney Docket No.: 04280/1201643-US2

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Request For Acknowledgment Of Previously Submitted Information**Disclosure Statement (IDS) (2 pages)**

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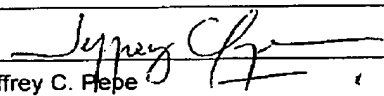
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|--|----------------------|------------------------|-------------------|
| TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i> | Application Number | 08/728,463-Conf. #2701 | |
| | Filing Date | October 10, 1996 | |
| | First Named Inventor | Nils Lonberg | |
| | Art Unit | 1644 | |
| | Examiner Name | P. J. Nolan | |
| Total Number of Pages in This Submission | 22 | Attorney Docket Number | 04280/1201643-US2 |

| ENCLOSURES (Check all that apply) | | |
|---|--|--|
| <input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): See Remarks below |
| Remarks Request for Acknowledgement of IDS (2 pp), Copy IDS Postcard (1 page), Copy IDS of 1/24/97 (2 pages), Copy of PTO-1449 (12 pages), Copy of Refs Sent Postcard (1 page), Copy of Transmittal of Refs Sent (1 page), Certificate of Facsimile Transmittal (1 page), Fax Cover (1 page) | | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | | | |
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| Firm Name | DARBY & DARBY P.C. | | |
| Signature |  | | |
| Printed name | Jeffrey C. Pepe | | |
| Date | October 28, 2005 | Reg. No. | 46,985 |

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OCT 28 2005

Docket No.: 04280/1201643-US2
(PATENT)**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:
Nils Lonberg et al.**Allowed: September 20, 2005**

Application No.: 08/728,463

Confirmation No.: 2701

Filed: October 10, 1996

Art Unit: 1644

For: TRANSGENIC NON-HUMAN ANIMALS
FOR PRODUCING HETEROLOGOUS
ANTIBODIES

Examiner: P. J. Nolan

**REQUEST FOR ACKNOWLEDGMENT OF PREVIOUSLY SUBMITTED
INFORMATION DISCLOSURE STATEMENT (IDS)**MS Issue Fee
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Commissioner:

This application has been allowed and the issue fee is due December 20, 2005.

It has come to our attention that the Form PTO-1449 (12 pages) submitted with the initial Information Disclosure Statement (IDS) in the instant application, has not yet been acknowledged.

The IDS, Form PTO-1449, and 5 references were mailed on January 24, 1997 and received by the U.S. Patent and Trademark Office (USPTO) on January 28, 1997 (please see attached copy of return receipt postcard). The USPTO PAIR system shows that the IDS was filed, and a copy of the 2 pages of IDS appears on the Image File Wrapper on PAIR. However, a copy of the 12 pages of PTO-1449 does not appear on the Image File Wrapper for this application, nor do the 5 references submitted.

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Request For Acknowledgment Of Previously
Submitted Information Disclosure Statement (IDS)
Application No.: 08/728,463 2

Docket No.: 04280/1201643-US2

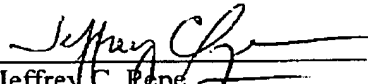
Our records also show that copies of these references were forwarded to Examiner Amy Decloux on March 9, 2001 and received by the USPTO on March 15, 2001 (see attached copy of Return Receipt Postcard and Transmittal form).

Accordingly, Applicants respectfully request that the 12 pages of PTO-1449, originally submitted January 28, 1997 (as noted above and enclosed herewith), be reviewed by the Examiner and acknowledged.

Applicants appreciate the Examiner's prompt response to this submission.

Dated: October 28, 2005

Respectfully submitted,

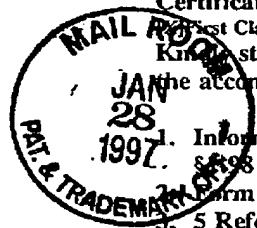
By 
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Attorneys/Agents For Applicant

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COPYAPPLICANT **L. S. LONBERG et al.**Title: **TRANSGENIC NON-HUMAN ANIMALS FOR
PRODUCING HETEROLOGOUS ANTIBODIES**Serial No: **08/728,463** Filed: **October 10, 1995**Fee (if any) **\$0.00** Check Enclosed ☐ Yes ☒ No

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1. Information Disclosure Statement Under 37 CFR §1.97 and §1.98

2. Form PTO-1449 listing references A1-C101

3. 5 References

4. Postcard

Due Date: _____

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PATENT

Attorney Docket No. 014643-009020US

TOWNSEND and TOWNSEND and CREW LLP

By Karin M. Villanueva

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

NILS LONBERG et al.

Application No.: 08/728,463

Filed: 10 October, 1996

For: TRANSGENIC NON-HUMAN
 ANIMALS FOR PRODUCING
 HETEROLOGOUS ANTIBODIES

Examiner: UNASSIGNED

Art Unit: UNASSIGNED

INFORMATION DISCLOSURE
 STATEMENT UNDER

37 CFR \$1.97 and \$1.98

Assistant Commissioner for Patents
 Washington, D.C. 20231

Sir:

The disclosures cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of some of the disclosures (references A1-C96) are not being provided pursuant to 37 C.F.R. 1.98(d), as those disclosures have been previously cited by or submitted to the Patent Office in prior applications Serial Nos. 07/810,279, 07/853,408, 08/161,739, 08/165,699, 08/096,762, 08/352,322, and 08/209,741, to which the above identified application claims priority.

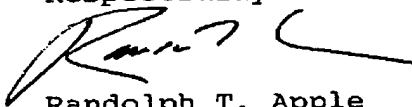
This information disclosure statement is being filed before the mailing date of the first office action on the merits.

Niels LONGBERG et al.
Application No.: 08/728,463
Page 2

PATENT

It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the disclosures be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Respectfully submitted,



Randolph T. Apple
Reg. No. 36,429

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FORM PTO-1449 (Modified,

Attorney Docket No.
14643-009000Serial No.
08/352,322LIST OF PATENTS AND PUBLICATIONS
FOR APPLICANT'S INFORMATION
DISCLOSURE STATEMENT
(Use Several Sheets if Necessary)Applicant
NILS LONBERG and ROBERT M. KAY

PAGE 1 OF 12

Filing Date
December 7, 1994Group
1804Reference DesignationU.S. PATENT DOCUMENTS

| Examiner Initial | Document No. | Date | Name | Class | Subcl: | File Date If Approp |
|------------------|--------------|----------|-------------|-------|--------|---------------------|
| A1 | 4,204,244 | 04/20/93 | Fell et al. | 435 | | |
| A2 | 5,175,384 | 12/29/92 | Krimpenfort | 800 | | |
| A3 | 5,434,340 | 07/18/95 | Krimpenfort | 800 | | |

COPYFOREIGN PATENT DOCUMENTS

| Document No. | Date | Country | Class | Subcl: | Trans. Yes No |
|--------------|--------------|----------|-------|--------|---------------|
| B1 | EP 0 315 062 | 05/10/89 | EP | | |
| B2 | WO 90/04036 | 04/19/90 | PCT | | |
| B3 | WO 90/12878 | 11/01/90 | PCT | | |
| B4 | WO 92/03918 | 03/19/92 | PCT | | |
| B5 | WO 91/10741 | 07/25/91 | PCT | | |
| B6 | WO 91/00906 | 01/24/91 | PCT | | |

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| | |
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| C1 | Alt et al., Immunoglobulin genes in transgenic mice, TIG - August 1985 |
| C2 | Berman et. al., Content and organization of the human Ig V _H locus: definition of three new V _H families and linkage to the Ig C _H locus, The EMBO J. 7:727-738 (1988) |
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| C4 | Bollag et al., Homologous recombination in mammalian cells, Annu. Rev. Genet. 23:199-225 (1989) |

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PAGE 3 OF 11

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1804OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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- _____ C31 Mansour et al., Disruption of the proto-oncogene int-2 in mouse embryo-derived stem cells: a general strategy for targeting mutations to non-selectable genes, Nature 336:348-352 (1988)
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- _____ C41 Nussenzweig et al., A human immunoglobulin gene reduces the incidence of lymphomas in c-Myc-bearing transgenic mice, Nature 336:446-450 (1988)
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- _____ C49 Ritchie et al., Allelic exclusion and control of endogenous immunoglobulin gene rearrangement in κ transgenic mice, Nature 312:517-520 (1984)

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- _____ C50. Rothman et al., Structure and expression of germline immunoglobulin $\gamma 3$ heavy chain gene transcripts: implications for mitogen and lymphokine directed class-switching, Intl. Immunol. 2:621-627 (1990)
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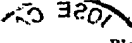
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| Application No.: | 08/728,463 | Filed: | October 10, 1996 |
| Inventor(s): | LONBERGet al.. | | |
| Title: | TRANSGENIC NON-HUMAN ANIMALS FOR PRODUCING HETEROLOGOUS ANTIBODIES | | |

References cited in the Information Disclosure Statement previously filed and referenced in the parent case, application no. 08/352,322

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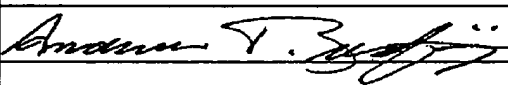
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| | Filing Date | October 10, 1996 | |
| | First Named Inventor | Lonberg, Nils, et. al. | |
| | Group Art Unit | 1644 | |
| | Examiner Name | DeCloux, Amy | |
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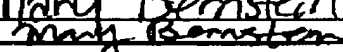
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